

CLAIMS

1.- A method for transmission of images and/or video over bandwidth limited transmission channels having varying available bandwidth between a server and multiple devices, the method comprising the use of a classification algorithm for each of the images and/or video to be provided to a device, for:

- 5 • decomposing the images and/or video to be transmitted into multiple spatial areas, each area having a specific image type;
- 10 • detecting the image type of each of those areas
- separately selecting for each of those areas an image and/or video encoding algorithm having a compression ratio;

wherein each of said devices are prioritized, said classification algorithm increasing the compression ratio of the image and/or video encoding algorithms dedicated to a device having lower priority in case of decreasing bandwidth.

15 2.- A method according to claim 1, wherein said prioritizing of the devices is done based on the applications accessed through each of said devices.

3.- A method according to claim 1, wherein said prioritizing of the devices is done based on the identity of users using said devices.

4.- A method according to claim 3, wherein said method includes a step of user 20 log-on to one of said devices.

5.- A method according to claim 1, wherein said prioritizing of the devices is done based on location of said devices.

6.- A method for securing transmission of data from a server to a portable imaging device, the method comprising:

- 25 - determining the exact position of the portable imaging device with respect to an authorised area,
- based on the determined exact position of the portable imaging device, determining whether the portable device is authorized to receive specific data over a predetermined transmission channel,
- 30 - transmitting, from the server to the portable imaging device, the specific data requested if authorisation is granted, the portable imaging device having a display area,

the method furthermore being adapted for removing at least from the display area at least confidential data when the portable imaging device leaves the authorised area.

7.- A method according to claim 6, the method furthermore being adapted for
5 showing at least on the display area at least confidential data when the portable imaging device enters the authorised area.

8.- A method according to claim 6, the method furthermore being adapted for
removing at least confidential data from volatile and/or non-volatile memory
elements in the portable imaging device when the portable imaging device
10 leaves the authorised area.

9.- A method according to claim 6, the method furthermore comprising encrypting
confidential data when the portable imaging device leaves the authorised
area.

10.- A method according to claim 9, the method furthermore comprising
15 decrypting confidential data when the portable imaging device enters the
authorised area.

11.- A method according to claim 6, the method furthermore comprising using a
different transmission channel for transmitting the requested data, the
transmission channel used depending on the determined exact position of
20 the portable imaging device.

12.- A method according to claim 11, the portable imaging device determining
which transmission channel to use for transmitting the requested data.

13.- A method according to claim 11, the server determining which transmission
channel to use for transmitting the requested data.

25 14.- A method for reducing latency in a client-server computer system, the server
being adapted for generating data at least dependent on one or more
parameter values, the method comprising:

- predicting possible reachable future parameter values, predicting possible
future parameter values being performed by the client, after which these
predicted parameter values are sent to the server;
- generating data corresponding to the predicted parameter values, and
sending this data to the client, and

- the client caching this generated data corresponding to parameter values for future use.
- 15.- A method according to claim 14, wherein the client uses the cached data when a corresponding parameter value is set.
- 5 16.- A method according to claim 14, wherein the client uses the cached data when a parameter value is set which falls within a predetermined range around the parameter valued for which the cached data had been generated.
- 17.- A method for transmission of images and/or video over bandwidth limited transmission channels having varying available bandwidth, the method comprising the use of a classification algorithm for
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 - decomposing the images and/or video to be transmitted into multiple spatial areas, each area having a specific image type;
 - detecting the image type of each of those areas
 - separately selecting for each of those areas an image and/or video encoding algorithm having a compression ratio;

15 wherein said classification algorithm prioritizes each of said areas, said classification algorithm increasing the compression ratio of the image and/or video encoding algorithm dedicated to spatial areas having lower priority in case of decreasing bandwidth.

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18.- A method for transmission of images and/or video over a transmission channel from a server to a client, the method comprising the steps of

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 - decomposing the images and/or video to be transmitted into multiple spatial areas, each area having a specific image type;
 - detecting the image type of each of those areas;
 - separately selecting for each of those areas an image and/or video encoding algorithm using a code for encoding said images and/or video of said area;

30 wherein said client is a reconfigurable device, said method further comprising the step of reconfiguring said reconfigurable device for decoding said images and/or video of said areas.

19.- A method as in claim 18, further comprising the steps of

- adaptation of said encoding algorithms used for the encoding, the adaptation being based on current or predicted transmission channel properties;
- 5 • reconfiguring said reconfigurable device for decoding said images and/or video of said areas, based on the adapted image and/or video encoding algorithms.

20.- A method as in claim 18, wherein all used image and/or video encoding algorithms are available at said reconfigurable device.

10 21.- A method as in claim 18, wherein only part of said image and/or video encoding algorithms are available at said reconfigurable device, said method further comprising the step of downloading image and/or video encoding algorithms not being available at said reconfigurable device.

22.- A method as in claim 21, wherein downloaded image and/or video encoding algorithms are saved at said reconfigurable device.

15 23.- A method as in claim 21, wherein said image and/or video encoding algorithms to be downloaded are sent over a separate connection between server and reconfigurable device.

20 24.- A method as in claim 19, wherein said reconfiguring is a partial reconfiguring of said reconfigurable device.

25 25.- A method as in claim 18, wherein said reconfiguring is done from a server.

26.- A method for transmission of images and/or video over bandwidth limited transmission channels having varying available bandwidth, the method comprising the use of a classification algorithm for

- 25 • decomposing the images and/or video to be transmitted into multiple spatial areas, each area having a specific image type;
- detecting the image type of each of those areas
- separately selecting for each of those areas an image and/or video encoding algorithm having a compression ratio;

30 said method further comprising the steps of

- encoding each of said areas by an image and/or video encoding algorithm ;
- transmitting said encoded images and/or video;
- decoding each of said areas by an image and/or video encoding algorithm;

wherein prior to encoding at least one of said area being provided with padding pixels, said padding pixels being replaced by part of one of the other areas during decoding.

- 27.- A method as in claim 26, wherein said padding pixels represent zones where
5 at least two areas overlap.
- 28.- A method as in claim 1, wherein said method is used in a hospital
environment.
- 29.- A method as in claim 6, wherein said method is used in a hospital
environment.
- 10 30.- A method as in claim 14, wherein said method is used in a hospital
environment.
- 31.- A method as in claim 16, wherein said method is used in a hospital
environment.
- 15 32.- A method as in claim 18, wherein said method is used in a hospital
environment.
- 33.- A method as in claim 26, wherein said method is used in a hospital
environment.